AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit - Amine Sweetening Unit -**Permit Number: Emission Source AIRS ID:** [Leave blank unless APCD has already assigned a permit # & AIRS ID] Facility Equipment ID: [Provide Facility Equipment ID to identify how this equipment is referenced within your organization.] **Section 01 – Administrative Information** Section 02 – Requested Action (Check applicable request boxes) Company Name: Request for NEW permit or newly reported emission source NAICS, or SIC Code: Source Name: Request MODIFICATION to existing permit (check each box below that applies) Source Location: County: Change process or equipment Change company name Feet Change permit limit Other Elevation: Transfer of ownership ZIP Code: Request to limit HAPs with a Federally enforceable limit on PTE Mailing Address: Request APEN update only (check the box below that applies) Phone Number: Person To Contact: Revision to actual calendar year emissions for emission inventory Update 5-Year APEN term without change to permit limits or previously E-mail Address: Fax Number: reported emissions Addl. Info. & Notes: **Section 03 – General Information** For existing sources, operation began on: For <u>new or reconstructed</u> sources, the projected startup date is: / / Normal Hours of Source Operation: hours/day davs/week weeks/year General description of equipment and purpose: ▶ Will this equipment be operated in any NAAQS nonattainment area? (http://www.cdphe.state.co.us/ap/attainmaintain.html) Yes No Don't know Yes Don't know □ No ▶ Does this facility have a design capacity less than 2 long tons/day of H₂S in the acid gas? Provide documentation. **Section 04 – Amine Sweetening Unit Equipment Information** Colorado Department of Public Health and Environment Manufacturer: Serial No.: Model: **Air Pollution Control Division (APCD)** Reboiler Rating: MMBtu/hr Absorber Column Stages: stages This notice is valid for five (5) years. Submit a revised APEN prior to ☐ MEA Amine Type: DEA TEA **MDEA** □ DGA expiration of five-year term, or when a significant change is made (increase production, new equipment, change in fuel type, etc). Amine Pump Make & Model: # of Pumps: MMSCF/yr. Design Capacity: MMSCF/day Requested1: Sweet Gas Throughput: Mail this form along with a check for \$152.90 to: Colorado Department of Public Health & Environment Calendar year actual: MMSCF/yr. APCD-SS-B1 ٥F Inlet Gas: Pressure: Temperature: 4300 Cherry Creek Drive South Rich Amine Feed: Temperature: Pressure: Flowrate: gal/min Denver, CO 80246-1530 gal/min Lean Amine Stream: Pressure: Temperature: Flowrate: For guidance on how to complete this APEN form: wt. % amine: Mole loading H2S: Mole loading CO₂: Air Pollution Control Division: (303) 692-3150 Small Business Assistance Program (SBAP): (303) 692-3148 or Sour Gas Input: Temperature: Flowrate: MMSCF/day Pressure: (303) 692-3175 NGL Input: Pressure: Temperature: Flowrate: gal/min APEN forms: http://www.cdphe.state.co.us/ap/downloadforms.html Flash Tank: Temperature: None Pressure: psia Application status: http://www.cdphe.state.co.us/ap/ss/sspcpt.html

FORM APCD-206

Additional

Required:

Information

¹Requested values will become permit limitations.

Attach a process flow diagram

Attach the simulation model inputs & emission report

Attach composition reports for the rich amine feed, sour gas feed, NGL feed, & outlet stream (emissions)

Attach the extended gas analysis (including BTEX & n-Hexane, H₂S, CO₂, 2,2,4 Trimethylpentane)

Check box to request copy of draft permit prior to issuance.

Check box to request copy of draft permit prior to public notice.

		rmit Number:	T ENIBBION	THOTICE (A	H Livy & 1	Emission Source AIRS ID: / /					
Section 05	– Stack Info	rmation (Combu	stion stacks must	be listed here)							
Operator Stack ID No.	Stack Base Elevation (feet) Stack Discharge Height Above Ground Level (feet) Temp. Flow Rate (ACFM) (ft/sec)				Moisture (%)	Horizontal Datum (NAD27, NAD83, WGS84)	UTM Zone (12 or 13)	UTM Easting or Longitude (meters or degrees)	UTM Northir Latitude (meters or deg	Loc	ethod of Collection for ecation Data (e.g. map, GPS, GoogleEarth)
Exhaust Op		k Size (check one):	Circular:	`	nches) =	· —	Other: Length		Other (Des		
Type: Make/Model: Type: Temperature (°F): Maximum: Average: VOC & Requested VOC & HAP Control Efficiency: % Minim VRU used for control of: Consta						Make/Model/Serial #: HAP Control Efficiency: Requested:					MMBtu/hr nteed: % Btu/scf MMBtu/hr
Reque Annua	al time that VR	IAP Control Efficie U is bypassed (emi	ncy:	% % on Control Info	Descri	iption:					
		cumentation attached				w & gas throughput abo	ve (e.g. 2007):				
Pollutan	t	Control Device Description Primary Secondary (% Reduction) Control Efficiency (% Reduction)			Emission Factor	or A		r Year Emissions ² Controlled (Tons/Year)	Requested Emiss Uncontrolled (Tons/Year)	Permitted sions ³ Controlled (Tons/Year)	Estimation Method or Emission Factor Source
NO _X VOC CO Benzene Toluene Ethylbenze Xylene n-Hexan	ene	Identify in Section 07									
² A ³ If	nnual emission f	ees will be based on a nitted Emissions is left	ctual emissions report blank, the APCD will	ed here. If left blan calculate emission	nk, annual emissions based on the inf	Pollutant Addendum on fees will be based on reformation supplied in sect	equested emissions 03 - 08.	ons.		mplete, true a	and correct.
Signature of Person Legally Authorized to Supply Data Date						Name of Legally Authorized Person (Please print) Title					